Title (en)

LIGHT MICROSCOPE HAVING A SAMPLE STAGE FOR CRYOMICROSCOPY

Title (de)

LICHTMIKROSKOP MIT EINEM PROBENTISCH FÜR DIE KRYO-MIKROSKOPIE

Title (fr)

MICROSCOPE OPTIQUE MUNI D'UNE PLATINE PORTE-ÉCHANTILLON POUR LA CRYOMICROSCOPIE

Publication

EP 3175279 A1 20170607 (DE)

Application

EP 15738083 A 20150715

Priority

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- EP 2015066105 W 20150715

Abstract (en)

[origin: WO2016016000A1] In a light microscope (1) for cryomicroscopy comprising at least one objective (2) and a sample stage (3) having a cutout (7) for a coolable holder (8) for a sample carrier mount, wherein the cutout (7) is covered by a cover (6), the sample stage (3) is displaceable in two horizontal directions (4). The cover (6) lies on the sample stage (3) in a floating fashion and the objective (2) penetrates through a cutout (12) corresponding to the objective (2) in the cover (6). The method for cooling a holder (8) for a sample carrier mount in a light microscope (1) for cryomicroscopy by causing liquid nitrogen to flow through a cooling line (15) open at at least one end in the holder (8) is distinguished by the fact that the quantity of liquid nitrogen is dimensioned such that the entire nitrogen is present in gaseous form at the at least one open end (16) of the cooling line (15).

IPC 8 full level

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CPC (source: CN EP US)

G02B 21/26 (2013.01 - CN EP); **G02B 21/28** (2013.01 - CN EP US); **G02B 21/34** (2013.01 - US); G02B 21/02 (2013.01 - US); G02B 21/26 (2013.01 - US)

Citation (search report)

See references of WO 2016016000A1

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